



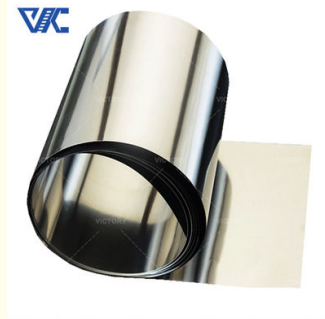
## Custom Products Price ASTM B575 Hastelloy C276 Strip

Our Product Introduction

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### Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: CE,ROHS,ISO 9001
- Model Number: HC-276
- Minimum Order Quantity: 5 Kg
- Price: 50 - 999 kilograms US\$55.00
- Packaging Details: Plastic film or waterproof woven bag inside, wire packed in spool put into carton,coil wire or strip wire put into wooden case
- Delivery Time: 7 to 20 Days
- Payment Terms: L/C, T/T, Western Union, MoneyGram
- Supply Ability: 300 tons per month



### Product Specification

- Type: Nickel Strip
- Grade: HC-276
- Product Name: Nickle Alloy Strip
- Ni (Min): 58
- Size: Client's Requirements
- Melting Point: 1325-1370°C
- Application: Construction, Industry, Etc
- Elongation: 67%
- Ultimate Strength (≥ MPa): 763
- Width: 1000-6000mm, Customized
- Advantage: Fast Delivery, Large Inventory, Etc
- Highlight: **ASTM Hastelloy C276 Strip,**



### Product Description

#### Product Description:

##### Hastelloy Strip Product Overview

Hastelloy C276 strip is a high-performance alloy mainly composed of elements such as nickel, molybdenum, chromium and iron. It has excellent corrosion resistance and can resist erosion by a variety of corrosive media, including acidic gases, acidic liquids, oxides and salt solutions. In addition, it has excellent mechanical properties, including high strength and good toughness, and is able to maintain its mechanical properties over a wide temperature range. Hastelloy C276 strip is widely used in corrosive media in chemical, petroleum, marine and other harsh environments, such as key components such as manufacturing equipment, pipelines and valves. It is a reliable material choice that provides long-lasting performance and durability.

#### Characteristic:

Our Product Introduction

Hastelloy C276 strip has demonstrated excellent performance and reliability in the following specific application scenarios in the aerospace industry:

1. Pipes and valves in corrosive environments: Pipes and valves in aerospace equipment, especially hydraulic systems and fuel systems, are often exposed to corrosive media. Due to its excellent corrosion resistance, Hastelloy C276 strip can withstand the erosion of strong acids, alkalis and salt solutions, providing reliable durability and safety.
2. Combustion chamber parts in high-temperature and high-pressure environments: In aeroengines, the combustion chamber is a key component that withstands high-temperature and high-pressure gases. Because of its excellent high temperature strength and corrosion resistance, Hastelloy C276 strip can maintain stable performance under extreme working conditions and resist high temperature corrosion and stress corrosion cracking.
3. Thermal protection panels and heat shields in the thermal protection system: During the spacecraft's reentry into the atmosphere, it will be affected by extremely high temperature heat flow and thermal stress. Hastelloy C276 strip can be used to manufacture thermal protection panels and heat shields to protect spacecraft from thermal damage due to its high temperature resistance and thermal expansion properties.
4. Aerospace structural components: In some aerospace structural components, such as aircraft hulls, wings and supports, the high strength and corrosion resistance of Hastelloy C276 strip can provide structural strength and stability while resisting erosion from the external environment.

In the above application scenarios, the excellent performance of Hastelloy C276 strip makes it an ideal choice for the aerospace field.

However, specific applications also need to consider factors such as project requirements, engineering design and cost-effectiveness to make the most appropriate material selection.

### Technical Parameters:

Product	nickel alloy sheet
Material	Hastelloy/Nickel Alloy strip
Grade	Hastelloy:HastelloyB/ -2/B-3/C22/C-4/S/ C276/C-2000/G-35/G-30/X/N/g Hastelloy B / UNS N10001,Hastelloy B-2 / UNS N10665 / DIN W.Nr. 2.4617,Hastelloy C, Hastelloy C-4 / UNS N06455 / DIN W. Nr. 2.4610,Hastelloy C-22 / UNS N06022 / DIN W. Nr. 2.4602, Hastelloy C-276 / UNS N10276 / DIN W. Nr. 2.4819,Hastelloy X / UNS N06002 / DIN W. Nr. 2.4665
Thickness	Customized
Width	600mm, 1000mm, 1219mm, 1500mm, 1800mm, 2000mm, 2500mm, 3000mm, 3500mm, etc
Length	2000mm, 2440mm, 3000mm, 5800mm, 6000mm, etc
Standard	GB,AISI,ASTM,DIN,EN,SUS,UNS etc
Quality test	we can offer MTC(mill test certificate)
Delivery time	Usually 7-15 dyas, or upon negotiation

item	HC-276	C-22	C-4	B2	B3	N
C	≤0.01	≤0.015	≤0.015	≤0.02	≤0.01	0.04-0.08
Mn	≤1	≤0.5	≤1	≤1	≤3	≤1
Fe	4-7	2-6	≤3	≤2	≤1.5	≤5
P	≤0.04	≤0.02	≤0.04	≤0.04	--	≤0.015
S	≤0.03	≤0.02	≤0.03	≤0.03	--	≤0.02
Si	≤0.08	≤0.08	≤0.08	≤0.1	≤0.1	≤1
Ni	rest	rest	rest	rest	≤65	rest
Co	≤2.5	≤2.5	≤2	≤1	≤3	≤0.2
Ti+Cu	--	--	≤0.7	--	≤0.4	≤0.35
Al+Ti	--	--	--	--	≤0.5	≤0.5
Cr	14.5-16.5	20-22.5	14-18	≤1	≤1.5	6-8
Mo	15-17	12.5-14.5	14-17	26-30	≤28.5	15-18
B	--	--	--	--	--	≤0.01
W	3-4.5	2.5-3.5	--	--	≤3	≤0.5
V	≤0.35	≤0.35	--	0.2-0.4	--	≤0.5

Product Name	Hastelloy Strip
Size	Customized Size
Material	Hastelloy
Hardness	HRB 89
Tensile Strength	690 MPa

<b>Yield Strength</b>	310 MPa
<b>Coefficient Of Thermal Expansion</b>	11.2 $\mu\text{m/m-K}$
<b>Thermal Conductivity</b>	9.9 W/m-K
<b>Corrosion Resistance</b>	Excellent
<b>Powder Or Not</b>	Not Powder
<b>Density</b>	8.22 G/cm3

Key Words: Hastelloy Alloys, Hastelloy X Price, Hastelloy C276

### Attention elements:

When applying Hastelloy C276 strip to the aerospace field, you also need to pay attention to the following aspects:

1. Material Certification and Compliance: The aerospace industry has very strict requirements for material certification and compliance. Ensure that the Hastelloy C276 strip used complies with relevant standards and specifications in the aerospace field, such as aviation quality requirements, aviation material certification, etc., to ensure the quality and reliability of the material.
  2. Finished product testing and quality control: During the manufacturing and use process, Hastelloy C276 strips should be subject to strict finished product testing and quality control. This includes the detection of material defects and fatigue cracks using non-destructive testing methods (such as ultrasonic testing, X-ray testing, etc.) to ensure material integrity and reliability.
  3. Temperature and environmental adaptability: Application environments in the aerospace field may involve extreme temperatures and environmental conditions, such as high temperature, low temperature, vacuum, high pressure, etc. When selecting and using Hastelloy C276 strip, you need to ensure that its performance remains stable at target temperatures and environmental conditions to meet the needs of aerospace systems.
  4. Process and processability: The processing performance of Hastelloy C276 strip is relatively poor, and the manufacturing and processing of complex shapes may require higher technical requirements and process control. Material processability needs to be considered in the application to ensure that the required shape, size and processing requirements can be met.
  5. Beam strength and fatigue properties: For some components that are required to withstand high loads and vibrations, such as aircraft fuselages and engine components, the beam strength and fatigue properties of Hastelloy C276 strip need to be evaluated. Ensure materials can withstand long-term use and cyclic loads to prevent fatigue cracking and failure.
- In summary, the application of Hastelloy C276 strips in the aerospace field requires attention to material certification, quality control, environmental adaptability, processability, as well as the evaluation of beam strength and fatigue performance. By strictly controlling and considering these factors, the safety, reliability and performance of Hastelloy C276 strip can be ensured to meet aerospace requirements.

### Compared:

Compared with other common corrosion-resistant alloys, Hastelloy C276 has a wider range of corrosion-resistant properties and can be used in more severe environments. It is compatible with other metals, such as stainless steel, nickel-based alloys, etc., and is widely used in chemical, petroleum, pharmaceutical, aviation and other fields.

**contact us**  
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### FAQ:

Q: Is Haast-C276 strip suitable for seawater environments?

A: Yes, Haast-C276 strip is highly resistant to corrosion in seawater and is commonly used in marine applications.

Q: Can Haast-C276 strip withstand high-pressure conditions?

A: Yes, Haast-C276 strip has good mechanical properties and can withstand high-pressure environments.

Q: How does the cost of Haast-C276 strip compare to other materials?

A: Haast-C276 strip is generally more expensive than conventional stainless steel but offers superior corrosion resistance and performance.

